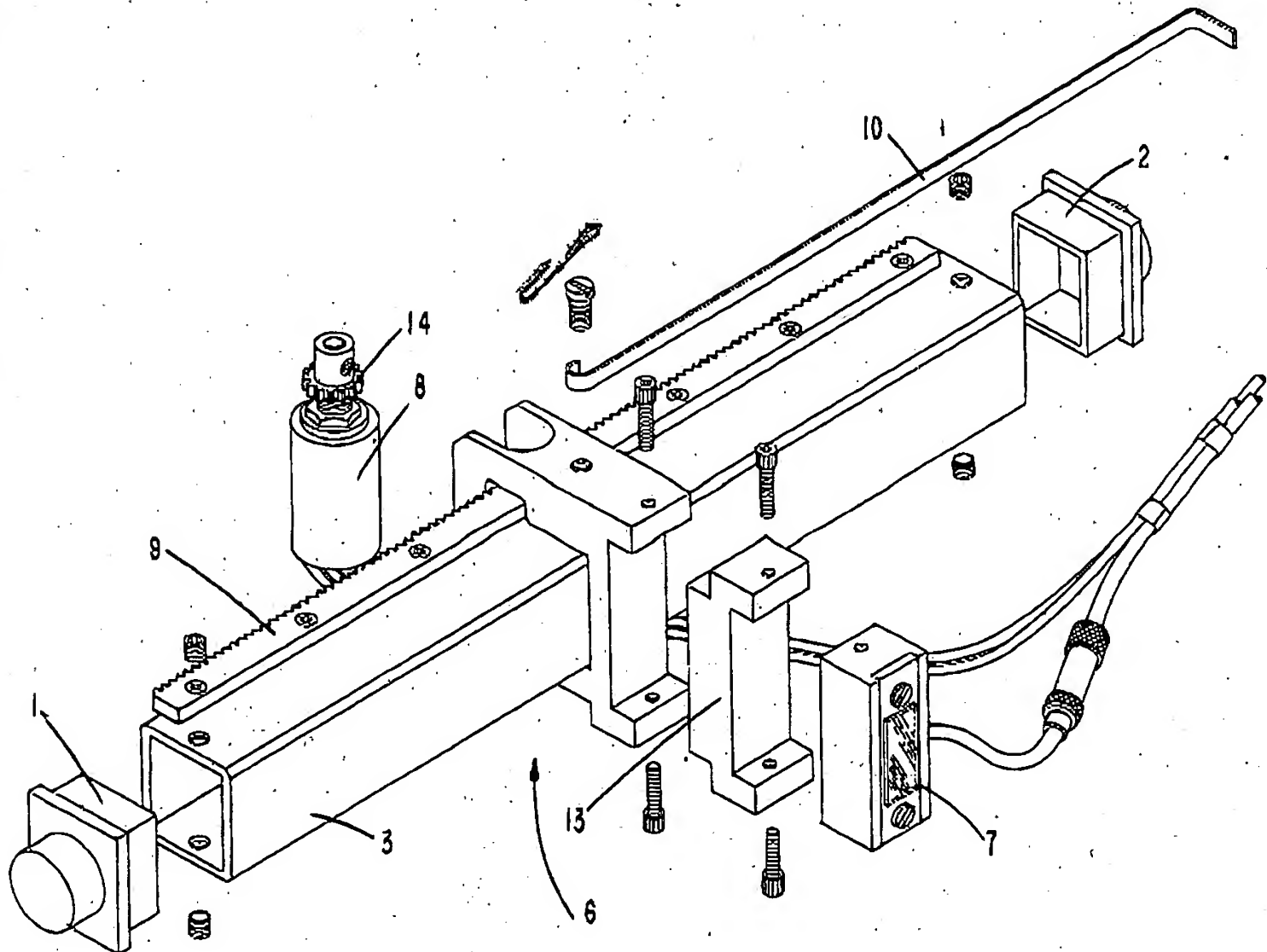


UNIVERSAL ILLUMINATION MONITOR

D. M. Berner and A. T. Fletcher



A movable detector mounted in place of a copier's photoconductor drum measures the intensity of light across the photoconductor surfaces of different drums used in a wide variety of copiers. The monitor can be adapted to various copiers.

Two end adapters 1 and 2, configured to fit the particular copier being tested, supporting square tube 3, mount on hubs that normally support both ends of the photoconductor drum (not shown). Carriage 6, which slides along tube 3, mounts photosensor 7 (at the normal photoconductor surface) and position-indicating potentiometer 8 (driven by gear 14 and gear rack 9). An operator moves carriage 6 by pulling rod 10.

UNIVERSAL ILLUMINATION MONITOR - Continued

In operation, the uniformity of light intensity and the carriage 6 position along an image area on the photoconductor surface is measured by sensor 7 and potentiometer 8, respectively, while carriage 6 moves along tube 3. Different photoconductor drum diameters are accommodated by placing blocks 13 between sensor 7 and the carriage 6.

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